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# Agricultural Memorandum No 492

## Areas of Low Sensitivity to Reduced Spring Sowing Schedules

L P Smith

Continuing the analysis of Agricultural Memorandum 490 and 491, there are 6 stations with a poor chance of yield improvement due to reduced schedules, lying in the following counties:-

| | |
|---|---|
| Sussex | Warwick |
| Gloucester | Oxford |
| Worcester | Buckingham |

The mean reductions in yield loss are:-

| | |
|---|---|
| With good drainage | 0.4% per day |
| moderate drainage | 0.5% per day |
| poor drainage | 0.7% per day |
| bad drainage | 0.8% per day |

This is about half the response expected in the high sensitivity areas, in other words twice the number of work days would have to be saved in order to obtain the same gain.

Any comments or suggestions on this paper should be referred to the author.

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Bracknell

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## Areas of Low Sensitivity to Reduced Schedules

### Percentage Loss of Yield (1949-68)

| Class A Drainage | Schedules | | | Index |
|---|---|---|---|---|
| | 7 | 10 | 14 | |
| Horsham (Sussex) | 2.1 | 3.1 | 4.6 | 0.4 |
| Cheltenham (Glous) | 3.3 | 4.4 | 6.1 | 0.4 |
| Worcester | 2.1 | 3.4 | 5.1 | 0.4 |
| Stratford (Warw) | 2.8 | 3.9 | 5.7 | 0.4 |
| Oxford | 1.1 | 2.3 | 4.0 | 0.4 |
| Aylesbury (Bucks) | 2.5 | 3.3 | 5.0 | 0.3 |
| MEAN | 2.32 | 3.40 | 5.08 | 0.39 |

| Class B Drainage | | | | |
|---|---|---|---|---|
| Cheltenham | 4.6 | 5.8 | 8.4 | 0.6 |
| Horsham | 3.0 | 4.1 | 6.4 | 0.5 |
| Worcester | 3.2 | 4.6 | 7.0 | 0.5 |
| Stratford | 3.8 | 5.3 | 7.2 | 0.5 |
| Aylesbury | 3.6 | 4.8 | 6.9 | 0.5 |
| Oxford | 2.9 | 4.1 | 6.0 | 0.4 |
| MEAN | 3.30 | 4.78 | 6.98 | 0.52 |

| Class C Drainage | Schedules | | | |
|---|---|---|---|---|
| | 7 | 10 | 14 | Index |
| Horsham | 4.5 | 6.5 | 9.8 | 0.8 |
| Cheltenham | 7.2 | 8.8 | 11.9 | 0.7 |
| Worcester | 5.2 | 7.0 | 9.9 | 0.7 |
| Stratford | 5.1 | 6.7 | 9.7 | 0.7 |
| Aylesbury | 5.4 | 7.3 | 10.0 | 0.7 |
| Oxford | 4.3 | 5.7 | 8.1 | 0.6 |
| MEAN | 5.28 | 7.00 | 9.90 | 0.66 |

| Class D Drainage | | | | |
|---|---|---|---|---|
| Horsham | 6.0 | 8.9 | 12.7 | 1.0 |
| Cheltenham | 8.5 | 10.7 | 14.6 | 0.9 |
| Worcester | 6.4 | 8.9 | 12.4 | 0.9 |
| Stratford | 6.2 | 8.1 | 11.6 | 0.8 |
| Aylesbury | 6.9 | 9.1 | 12.5 | 0.8 |
| Oxford | 5.5 | 7.2 | 10.3 | 0.7 |
| MEAN | 6.58 | 8.82 | 12.35 | 0.82 |